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MeadWestvaco Corporation  
Charleston Technical Center - Law Dept.  
5255 Virginia Avenue  
P. O. Box 118005  
Charleston, SC 29423-8005

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DATE: March 3, 2004

TO: Customer Service  
COMPANY: USPTO  
FAX #: 1-703-872-9306

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FROM: Susan Harrison *SH*  
SENDER'S PHONE #: (843) 746-8493  
SENDER'S FAX #: (843) 746-8494

SUBJECT: Application No. 10/621,946, Filed July 15, 2003  
Our Case Docket No. CHR 02-38

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TOTAL NUMBER OF PAGES: 7 (including cover sheet)

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Attached please find a true copy of the following:

1. Transmittal cover sheet dated October 7, 2003,
2. Petition to Make Special Under 37 CFR §1.102 (c) For Restoration or Maintenance of Environmental Quality (MPEP § 708.02, V),
3. Declaration in Support of Petition to Make Special, and
4. a copy of the postcard confirming receipt of the hand-delivered filing on October 8, 2003.

We respectfully request your assistance in acknowledging receipt of the above with the filing date of October 8, 2003 and in placing an electronic copy in the electronic file.

Thank you for your kind attention to this matter. Should you require any further information, please do not hesitate to contact me.

**PLEASE ACKNOWLEDGE RECEIPT**

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PTO/SB/21 (08-03)

Approved for use through 08/30/2003. OMB 0661-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application Number	10/621,948	
	Filing Date	July 15, 2003	
	First Named Inventor	Michael F. Tschantz	
	Art Unit		
	Examiner Name		
Total Number of Pages in This Submission	5	Attorney Docket Number	CHR 02-38

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/Declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input checked="" type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Petition to Make Special under 37 CFR 1.102(c) Declaration in Support of Petition Return Postcard
Remarks		
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual name	Terry B. McDaniel	
Signature	Registration No. 28,444	
Date	October 7, 2003	

CERTIFICATE OF TRANSMISSION/MAILING		
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.		
Typed or printed name		
Signature		Date

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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Case Docket No. CHR 02-38

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

OFFICIAL

In re Application of: Michael F. Tschantz

Provisional Filed: October 8, 2002

Statutory Filed: July 15, 2003 (referencing benefit of Provisional filing date)

Provisional Serial No. 60/416,974

Serial No.: 10/621,946

For: "Carbon-Containing Shaped Cylinders For Engine Air Induction  
System Emission"

Examiner:

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**PETITION TO MAKE SPECIAL UNDER 37 C.F.R. §1.102(c)  
FOR RESTORATION OR MAINTENANCE OF ENVIRONMENTAL QUALITY  
(MPEP §708.02, V)**

Dear Sir:

Applicants hereby petition to make this application special as being for an invention which will materially enhance the quality of the environment of mankind by contributing to the

- (a) \_\_\_ restoration of one of the basic life-sustaining  
natural elements – air, water, or soil.
- (b) X maintenance of one of the basic life-sustaining  
natural elements – air, water, or soil.

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**1. Accompanying material**

Accompanying this petition is a declaration by

   applicant

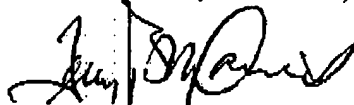
  X   applicants' attorney

explaining how the invention materially contributes to category (a) or (b) set forth above.

**2. Fee**

In accordance with 37 C.F.R. §1.102(c), no fee is required for this petition.

Respectfully submitted,



Terry B. McDaniel  
Attorney for the Applicants  
Registration No. 28,444

October 7, 2003  
5255 Virginia Avenue  
P. O. Box 118005  
Charleston, South Carolina 29423-8005  
tel (843) 740-2311  
fax (843) 746-8494

Case Docket No. CHR 02-38

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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In re Application of: Michael F. Tschantz

Provisional Filed: October 8, 2002

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For: "Carbon-Containing Shaped Cylinders For Engine Air Induction System Emission"

Examiner:

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Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450**DECLARATION IN SUPPORT OF  
PETITION TO MAKE SPECIAL UNDER 37 C.F.R. § 1.102(c)**

Dear Sir:

I, Terry B. McDaniel, Esq., declare as follows:

(1) I am an attorney-of-record for applicants in the above-identified application and, having drafted the specification and claims thereof, am fully aware of the nature of the invention thereof and of its significance and, on implementation, of its ability to materially enhance the quality of the environment and prevent health hazards (which is a basis for granting a petition to make special under MPEP 708.02, V).

(2) The instant application describes a method for sharply reducing diurnal breathing loss emissions from automotive evaporative emissions control systems by providing multiple layers, or stages, of adsorbents. Evaporation of gasoline from motor vehicle fuel systems is a major potential source of hydrocarbon air pollution. The automotive industry is challenged to design engine components and systems to contain, as much as possible, the almost one billion gallons of gasoline evaporated from fuel systems each year in the United States alone. Such emissions can be controlled by canister systems that employ activated carbon to adsorb and hold the vapor that evaporates. Recently, regulations have been promulgated that require a change in the approach with respect to the way in which vapors must be controlled. Allowable emission levels from canisters would be reduced to such low levels that the primary source of emitted vapor, the fuel tank, is no longer the regulatory focus, as current conventional evaporative

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emission control appears to have achieved a high efficiency of removal. Rather, the concern now is actually the hydrocarbon left on the carbon adsorbent itself as a residual "heel" after the regeneration (purge) step. Such emissions typically occur when a vehicle has been parked and subjected to diurnal temperature changes over a period of several days, commonly called "diurnal breathing losses." The invention improved combination of high working capacity carbons on the fuel source-side and preferred lower working capacity adsorbent on the vent-side provides substantially lower diurnal breathing emissions (without a significant loss in working capacity or increase in flow restriction) compared with known adsorbents used in canister configurations for automotive emissions control systems.

I declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 USC § 1001 and that such false statements may jeopardize the validity of this document and the application to which it relates.

Signed at Charleston, South Carolina, this 7<sup>th</sup> day of October, 2003.



Terry B. McDaniel  
Attorney for the Applicants  
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Case Docket No. CHR 02-38

Applicant: Michael F. Tschantz  
Serial No.: 10/621,946  
Filed: July 15, 2003  
For: Carbon-Containing Shaped Cylinders For Engine  
Air Induction System Emission

Transmittal Form; Petition to Make Special under 37 CFR  
1.102(c) and Declaration in Support; and one return postcard  
for the above-identified patent application were received  
in the U.S. Patent and Trademark Office on:

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OCT 08 2003

Hand carried to Office of Petitions **OFFICE OF PETITIONS**